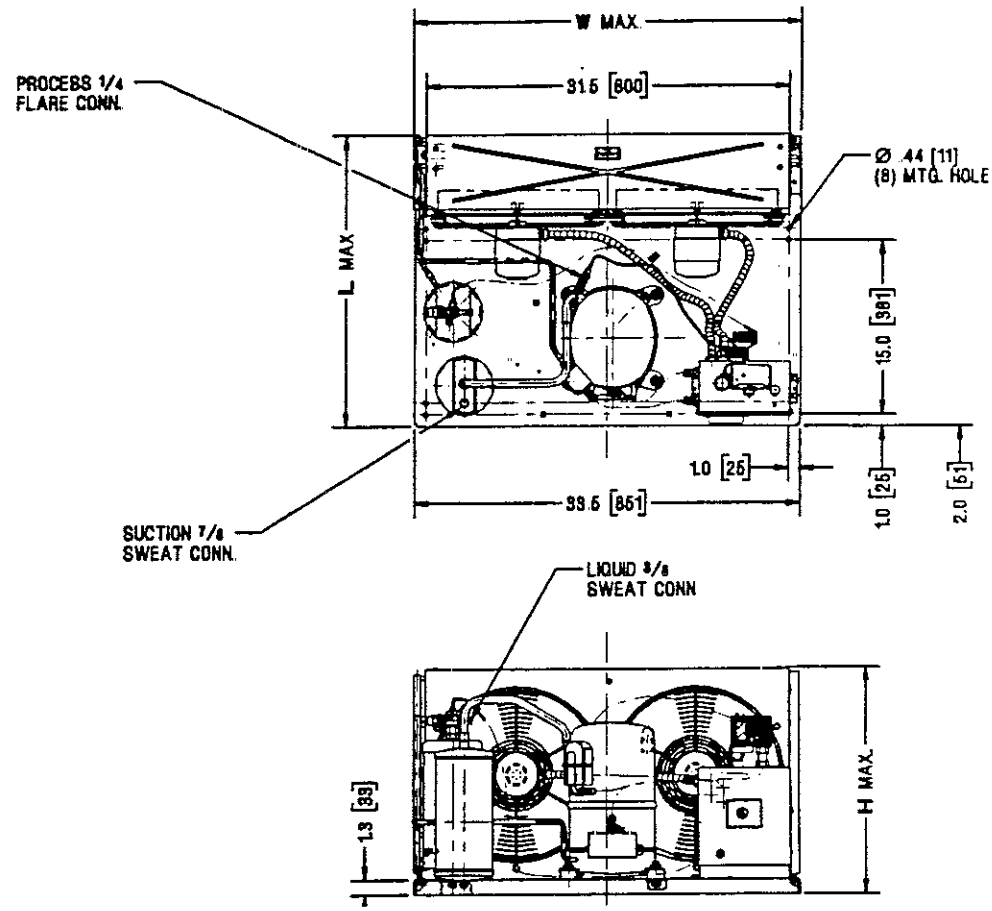
TECUMSEH HERMETIC

CONDENSING UNITS

Date: April 1, 1998

R22 2 1/2HP AIR COOLED AWG4530EXTXM



NOTE!
DIMENSIONING = INCHES [MILLIMETERS]

Model	Dimensions				*Line Connections		Pumpdown 90°F 90% full	AIR (cfm)	Oil Charge (oz.)	Gross Wt. (lbs.)
	L	W	H	CH	Suction	Liquid				
AWG4530EXTXM	25.0	33.6	19.5	15.6	7/8 S	3/8 S	8.4#	1549	38	180

*F=Flare, S=Solder, RF or RS = Rotolock with Flare or Solder Connections
Factory Charge: 20 psig nitrogen - MUST BE EVACUATED

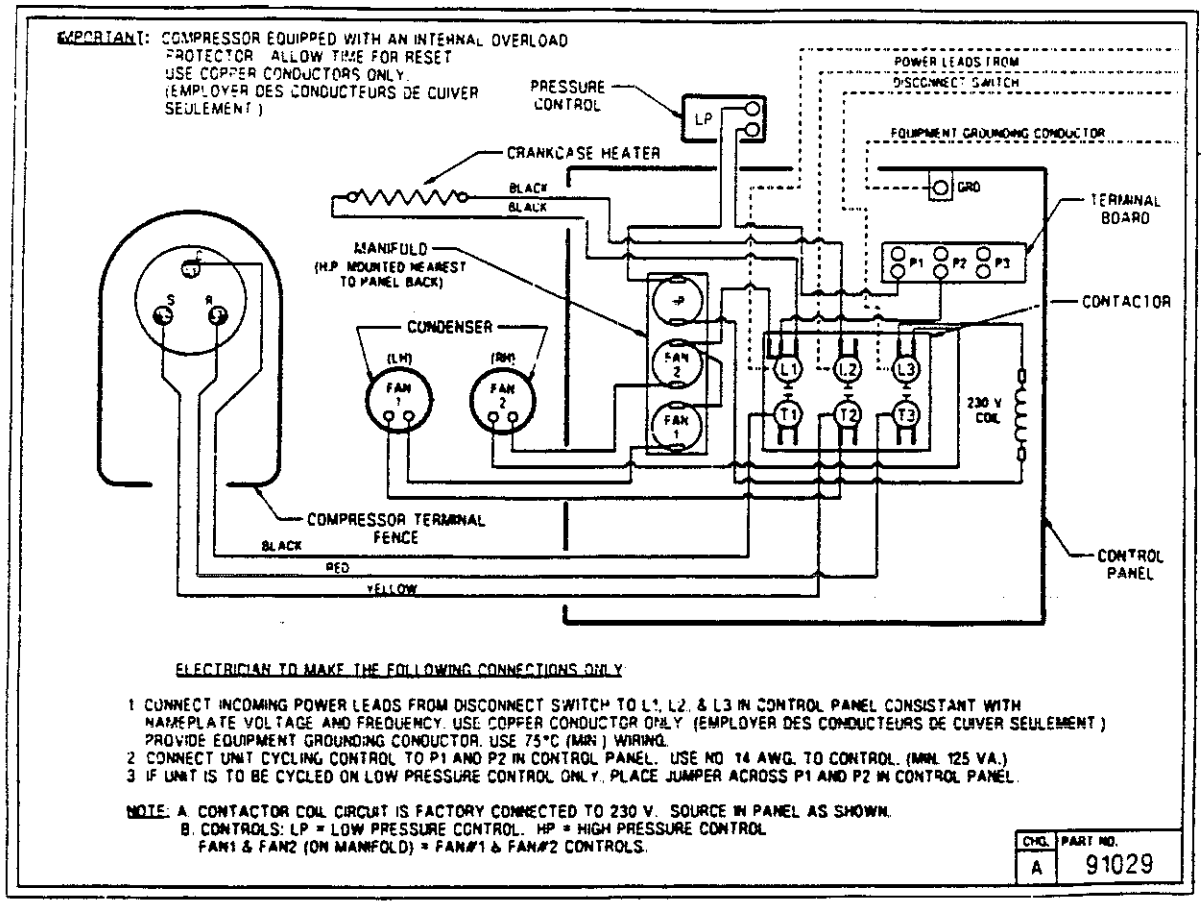
60 Hertz Performance

Approved Evap Range		Ambient											
		80°F			90°F			100°F			110°F		
F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
+20	43.0	20241	2551	196	18626	2619	225	16936	2691	255	15309	2767	289
25	48.7	22557	2650	203	20789	2747	232	18967	2832	263	17163	2921	297
30	54.8	24980	2758	210	23046	2881	240	21104	2977	271	19117	3081	306
35	61.4	27510	2876	218	25398	3020	248	23346	3126	280	21174	3245	316
40	68.5	30149	3003	226	27845	3165	257	25693	3278	289	23332	3414	326
45	76.0	32895	3139	235	30387	3315	268	28146	3435	299	25591	3588	336
50	84.0	35748	3285	245	33023	3470	278	30703	3595	309	27952	3767	347
55	92.6	38709	3440	255	35755	3630	290	33366	3758	320	30414	3950	359

Based on 65°F Return Gas, 5°F Subcooling

Date: 4-1-98

SPECIFICATIONS	AWG4530EXTXM
Nominal Voltage	230/200-60-3
Unit B/M	2C2107-9
Voltage Range	253 to 180
Min. Circuit Ampacity	13.7
Max. Fuse Size (Amps)	20
Compressor Model	AWG5530EXT
Bill of Material	AW707RT-120
RLA/LRA	8.7/63.4
Fan RLA	1.40
ESP Overload	INTERNAL
Fan Motor	TFM502
Pressure Controls	High 84095-1, Low 84026-5
Contactor	91015 (25 AMP 230V COIL)
Crankcase Heater	91022-1
Fan Controls (2 Req)	84096-1 (Fan #1), 84096-2 (Fan #2)
Control Panel Assy.	AC1390-1 (230V COIL)
Fan Blade (2 Req)	51556
Shroud	70648-2
Condenser	K42-17
Fan Guard (2 Req)	70831
Receiver Tank	51081-1
Rec. Tank RL Valve	31581 (3/8"S)
Accumulator	TK00042000
Unit Drawing	SU1918-6
Schematic or Elect. Dwg.	91029


IMPORTANT: COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR ALLOW TIME FOR RESET
USE COPPER CONDUCTORS ONLY.
(EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT)
PRESSURE CONTROL
LP
POWER LEADS FROM DISCONNECT SWITCH
EQUIPMENT GROUNDING CONDUCTOR
CRANKCASE HEATER
BLACK
BLACK
GRD
TERMINAL BOARD
MANIFOLD (H.P. MOUNTED NEAREST TO PANEL BACK)
P1 P2 P3
CONTACTOR
CONDENSER
(LH)
(RH)
FAN 1
FAN 2
FAN 2
FAN 1
L1 L2 L3
T1 T2 T3
230 V COIL
COMPRESSOR TERMINAL FENCE
BLACK
RED
YELLOW
CONTROL PANEL
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY
1 CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2, & L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTOR ONLY (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2 CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE NO 14 AWG. TO CONTROL. (MIN. 125 VA.)
3 IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V. SOURCE IN PANEL AS SHOWN.
B. CONTROLS: LP = LOW PRESSURE CONTROL. HP = HIGH PRESSURE CONTROL
FAN1 & FAN2 (ON MANIFOLD) = FAN#1 & FAN#2 CONTROLS.
CHG. A
PART NO. 91029

U.L. Listed ---------- File #SA2372 ---------- Card Guide #SGYU
CSA Certified ---------- Canadian File #12964C ---------- USA File #8873C